



`useState()` Hook Explained (React Counter App)



What is `useState()` ?

- `useState()` is a **React Hook** that lets you **add state** to a functional component.
- It returns an **array with two elements**:
 1. `count` : current state value
 2. `setCount` : function to update the state



File Structure Used

```
src/  
├── App.jsx  
├── App.css  
└── components/  
    ├── Counter.jsx  
    └── Counter.css
```



`App.jsx`

```
import './App.css';  
import Counter from './components/Counter.jsx';  
  
function App() {  
  return (  
    <>  
      <Counter />  
    </>  
  );  
}
```

```
}
```

```
export default App;
```

✓ Explanation:

- Imports the `Counter` component.
- Renders it inside the `App` component.
- Minimal logic — just acts as a container.



Counter.jsx

```
import React, { useState } from "react";
import "./Counter.css";

const Counter = () => {
  const [count, setcount] = useState(0);

  return (
    <div className="clicker_content_box">
      <p>You Clicked This {count} Number of Times</p>
      <button onClick={() => setcount(count + 1)}>Click Me!</button>
    </div>
  );
};

export default Counter;
```

🧩 Breakdown of Code:



useState(0)

```
const [count, setcount] = useState(0);
```

- `count` : current number of clicks.
- `setcount` : function to update `count` .
- `0` : initial value of count.

Button Logic

```
<button onClick={() => setcount(count + 1)}>Click Me!</button>
```

- On each click, `setcount(count + 1)` increases the count by 1.
- This triggers a **re-render** with the updated count.

CSS Class (from `Counter.css`)

```
.clicker_content_box {
  text-align: center;
  margin-top: 50px;
}
```

- Just a basic centered styling.

Final Output Behavior

- App initially shows:
`You Clicked This 0 Number of Times`
- Every time you click the button:
`count` increases, and UI updates.

Summary: Why use `useState()` ?

Feature	Description
Adds React state	To functional components
Easy to use	Like a variable with auto re-render

Reactivity	UI updates automatically
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